

# 10 by 10 Act

## Declaring Our Energy Independence

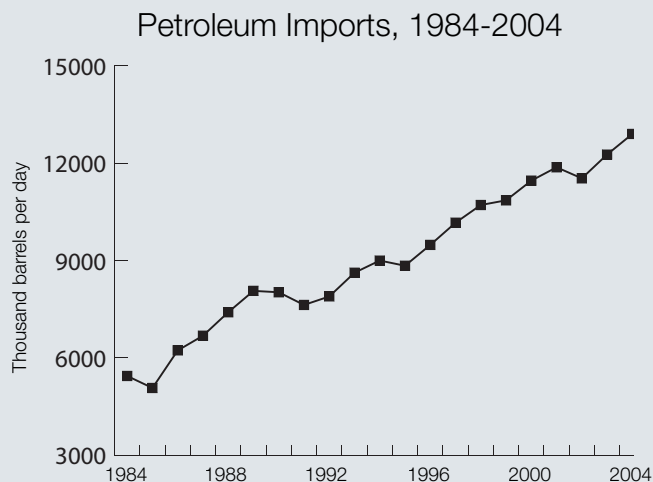
### America needs renewable fuels.

**I believe if we are to ever become more energy independent, we have to set specific goals.**

That's why I introduced legislation (H.R. 4357) to do just that. By 2010, I want America to follow Minnesota's lead and require a 10 percent blend of renewable fuel in all gasoline sold in the United States.

#### It's called the 10 by 10 Act.

Ethanol is great for your car and better for the environment. When you choose ethanol, you're also doing your part to lessen our dependence on foreign oil. The less oil we import, the less we have to worry about the stability and intentions of foreign countries that don't always have our best interests in mind.



Source: Department of Energy

**This must change!**

### WE DEPEND TOO MUCH ON FOREIGN OIL

**FACT:** Oil supplies more than 40 percent of our national energy needs and 99 percent of the fuel we use in cars and trucks.

**FACT:** In August 2005, the United States imported an average of 10.6 million barrels of crude oil a day. That's 3.8 billion barrels each year.

**FACT:** Today, ethanol reduces imports by 128,000 barrels of oil a day.

### ETHANOL: AMERICAN MADE

**FACT:** The United States sent \$20.7 billion to foreign countries to purchase oil in the month of August.

**FACT:** By growing crops and producing ethanol, we create new jobs, boost local economies and expand the tax base. We're keeping dollars here at home where they can have a positive impact on our economy.

(Sources : USDA, DOE)

**Remember:**  
**A goal is a dream with a deadline.**



# Myths & Facts About Ethanol

*MYTH:* Ethanol is more expensive to produce than gasoline.

**FACT:** With corn at \$2.25 a bushel, it now costs about **\$1.00 to produce a gallon of ethanol**. The most efficient plants can produce a gallon for 95 cents. Compare that with the costs to refine gasoline. At \$60 a barrel oil, it costs about \$1.60 to produce a gallon of gas.

*(Source: USDA)*

*MYTH:* Producing ethanol is inefficient.

**FACT:** For every 100 BTUs of energy used to make ethanol, 167 BTUs of ethanol is produced. In other words, there is a **67 percent energy gain** for every BTU used to produce ethanol.

These figures take into account the energy required to plant, grow and harvest the corn – as well as the energy required to manufacture and distribute the ethanol. The net energy balance of ethanol production continues to improve because ethanol production is becoming more efficient. For example, one bushel of corn now yields 2.8 gallons of ethanol – up from 2.5 gallons just a few years ago.

*(Source: USDA)*

*MYTH:* Ethanol will dramatically decrease gas mileage.

**FACT:** It is true that ethanol reduces gas mileage, but the decrease is minimal when using a 10 percent blend of ethanol in fuel. A car that normally averages 25 miles per gallon, will average about 24.5 miles per gallon when using E10. Given that the environmental and economic benefits of ethanol are so great, this minor differential is well worth it.

*(Source: Minnesota State University - Mankato)*

*MYTH:* Ethanol is bad for our environment.

**FACT:** Ethanol is one of the best tools we have to **fight air pollution from vehicles**. Ethanol is an oxygenate, which simply means that it contains oxygen (35 percent). Adding oxygen to fuel results in more complete fuel combustion, thus reducing harmful tailpipe emissions. Ethanol also displaces the use of toxic gasoline components such as benzene and MTBE, both known carcinogens. Unlike petroleum-based fuels, ethanol is non-toxic, water soluble and quickly biodegradable.

*(Source: Governors Ethanol Coalition)*

*MYTH:* Ethanol production wastes corn that could be used to feed the world.

**FACT:** There is no shortage of corn. In 2004, U.S. farmers produced a record 11.8 billion bushel corn harvest – and some 1.4 billion bushels (about 13 percent) were used in ethanol production. In other words, there is still room to significantly grow the ethanol market without limiting the availability of corn. And of course, ethanol can be made from other things – even garbage!

*(Source: Minnesota Corn Growers Association)*